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Record

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Washington University in St. Louis

WUSTL to invest $55 million in renewable energy research

The University is creating a new International Center for Advanced Renewable Energy and Sustainability (I-CARES) to encourage and coordinate University-wide and external collaborative research in the areas of renewable energy and sustainability — including biofuels, CO2 mitigation and coal-related issues. The University will invest more than $55 million in the initiative, according to Chancellor Mark S. Wrighton.

A key goal of I-CARES is to foster institutional, regional and international research on the development and production of biofuels from plant and microbial systems and the exploration of sustainable alternative energy and environmental systems and practices. Research at the center will also focus on the region's important coal resources and efforts to mitigate carbon dioxide accumulation, improve combustion processes and reduce emissions.

I-CARES will operate under the direction of Himadri B. Pakrasi, Ph.D., the George William and Irene Koechig Freiberg Professor of Biology in Arts & Sciences and professor of energy in the School of Engineering.

I-CARES will be a part of the Office of the Vice Chancellor for Research, headed by Samuel L. Stanley Jr., M.D., professor of medicine and of molecular microbiology at the School of Medicine. An external advisory committee will provide guidance to the I-CARES director, and an internal steering committee will work closely with the director to set programmatic priorities and attract new faculty to the center.

I-CARES will foster collaborative and cooperative research, both within the University and externally between the University and other regional research institutions, such as the Donald Danforth Plant Science Center and the University of Missouri-Columbia.

Brady J. Deaton, Ph.D., chancellor of the University of Missouri-Columbia, said: "We applaud the initiative and leadership of Washington University in St. Louis to address research and educational needs for renewable energy and sustainability. This is an outstanding example of research that will result in applications to improve the lives of all people around the world. I know that many members of our faculty will want to strengthen their collaboration with colleagues at Washington University. We will actively pursue joint initiatives that enlist key research strengths and international program support."

International Center for Advanced Renewable Energy and Sustainability
I-CARES

Related stories on page 6

- I-CARES' ties to McDonnell International Scholars Academy
- I-CARES advisory and steering committees draw on global expertise
- I-CARES Director Himadri Pakrasi: Background

Roger N. Beachy, Ph.D., Danforth Center president, said: "The I-CARES initiative is an outstanding commitment by Washington University to seek solutions for a critical factor that faces the world this century, namely creating abundant and environmentally sustainable energy sources. It also adds an important component to the regional initiative to establish St. Louis as a leader in the development of renewable energy. The Danforth Center looks forward to being an enthusiastic partner and expanding research collaborations with the University and other regional institutions in this effort."

Research activities at I-CARES also will include international Partner Universities, which recently agreed to a "Call to Action" on energy and sustainability at a WUSTL symposium hosted by the McDonnell International Scholars Academy. Sponsorships will be developed with energy and technology companies and other corporate

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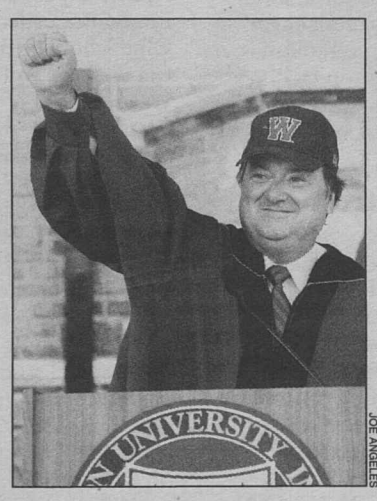
Tim Russert to Class of 2007: 'The children are our future'

By Andy Clendennen

The children are our future, said Tim Russert to the Class of 2007 during the 146th Commencement ceremony.

The host of NBC's "Meet the Press" clarified, telling the audience of more than 14,000 that while this year's some 2,600 graduates have done well and have the world at their feet, one of their real responsibilities is to take care of the world's children and give them every opportunity to succeed.

"Twenty-five percent of our eighth-graders will never graduate from high school," he told the assembled crowd in Brookings Quadrangle during the May 18 ceremony. "Thirty-five million adults in our country, without even a high school education. If we are serious about remaining the world's premier economic, military and moral force in the world, we have no choice. We need all of our children contributing and prospering and competing.



Tim Russert dons a WUSTL cap and exclaims, "Go Battling Bears!" at the conclusion of his Commencement address.

"But unless we instill in our young people the most basic social skills and cultural and moral values, we will be a very different society.

"We must motivate, yes; inspire, yes; insist our children and all of us respect one another and love thy neighbors as thyself. We must teach our children they are never, never entitled but they are always, always loved. And we must do everything in our power to make sure our schools are meaningful, skills are learnable, jobs are available, that we protect our environment, make our world their world — safe and secure."

And he said it doesn't matter what sort of degree the graduates receive or how much of an effort is required. Every little bit helps.

"No matter what profession you choose, you must try, even in the smallest ways, to improve the quality of life of all the children in this country," said Russert, who is the managing editor and moderator of "Meet the Press" and political analyst for "NBC Nightly News" and the "Today" show. Russert also anchors "The Tim Russert Show," a weekly interview program on CNBC; acts as a contributing anchor for MSNBC; and is senior vice president and Washington bureau chief of NBC News.

Russert, who received an honorary doctor of humane letters during the ceremony, started his remarks with some humor, recounting a story about his son wanting to sell on eBay the infamous dry-erase whiteboard on which Russert predicted "Florida, Florida, Florida" as the pivotal state in the 2000 presidential election results, as well as stories of St. Louis' "native philosopher king of the English language, Yogi Berra."

He followed that with a story about having a private audience with Pope John Paul II.

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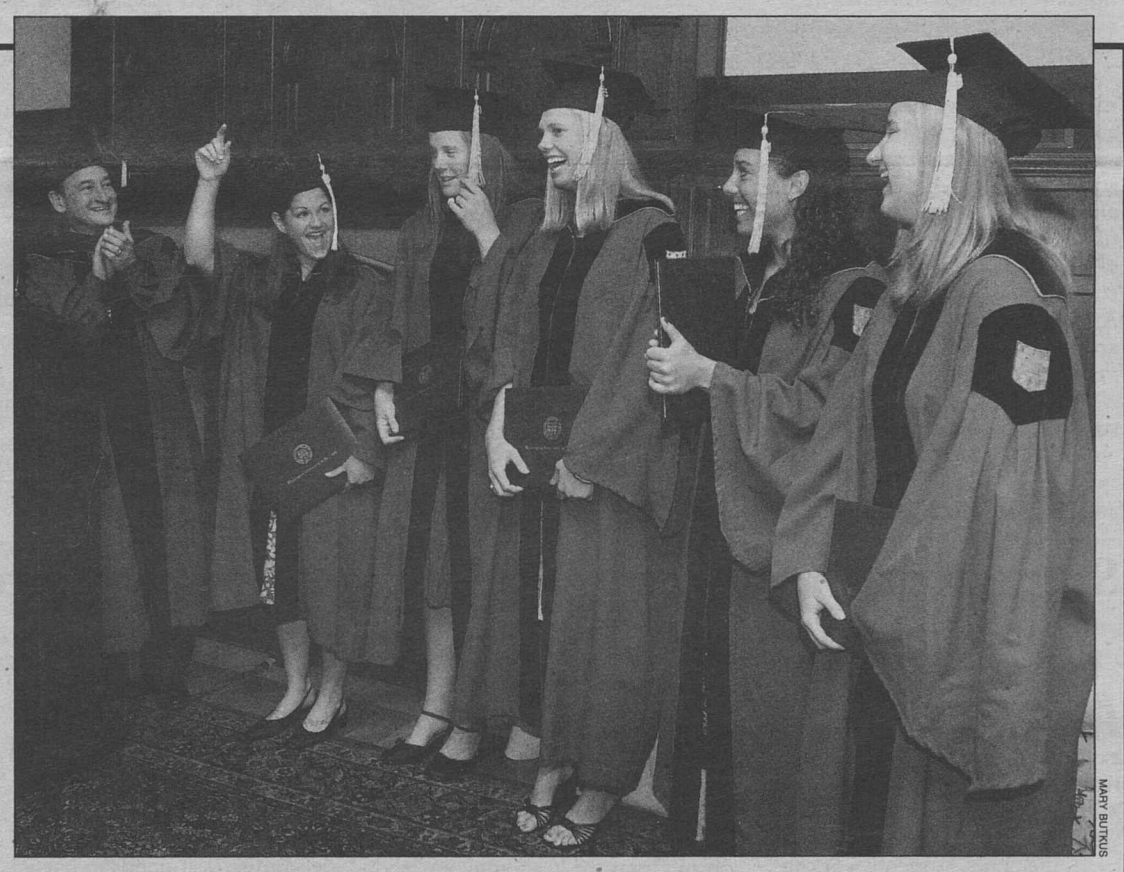

MARY BUTKUS

Better late ... Five graduating members of the softball team receive their diplomas in a special ceremony led by Chancellor Mark S. Wrighton (left) May 24 at Whittemore House. (From second to left) Seniors Erin Wolf, Laurel Sagartz, Abby Morgan, Jamie Kressel and Carrie Jarka missed the traditional Commencement exercises May 18 to play in the 2007 NCAA Division III Softball World Series in Salem, Va. Making their first World Series appearance, the team finished second in the national championship — the highest finish in WUSTL softball history.

Women's infectious diseases focus of study for new center

By Michael C. Purdy

The School of Medicine is launching the center for Women's Infectious Disease Research (cWIDR), a new effort to study infectious diseases that preferentially affect women. The center focuses on issues including:

- microorganisms that cause urinary tract infections (UTIs) and other conditions that make urination and intercourse painful or difficult
- infections that lead to premature delivery and vaginitis
- potential contributing roles for microorganisms in life-threatening conditions such as cancer, heart disease, neurodegenerative disorders and diabetes.

"Infectious diseases of women is a tremendously underserved area," said Scott Hultgren, Ph.D., the Helen L. Stoever Professor of Molecular Microbiology and the center's director and principal investigator. "UTIs, for example, are one of the most common bacterial infections in women. They're not fatal, but we need new and improved therapeutics because they're a very significant cause of suffering, lost work days and health-care expenses."

Hultgren

The center continues a University tradition of innovation and leadership in microbiology and infectious diseases, Hultgren said. Stephen Beverley, Ph.D., the Marvin A. Brennecke Professor and head of molecular microbiology, founded the center's predecessor, the Center for Infectious Disease Research (CIDR), in 1997. He recently stepped down as director of CIDR and designated Hultgren as his successor.

Given his research background in women's health and infectious diseases, Hultgren decided to reconceptualize CIDR and its goals, altering the center's name to reflect the changes.

See **Medicine**, Page 6

Elgin named Hamburger professor

BY TONY FITZPATRICK

Sarah C.R. "Sally" Elgin, Ph.D., professor of biology and of education, both in Arts & Sciences, and professor of biochemistry and molecular biophysics and of genetics in the School of Medicine, has been named the first Viktor Hamburger Distinguished Professor in Arts & Sciences.

"Sally Elgin's contributions to research are significant, and she is a passionate educator who has influenced a generation of students," Chancellor Mark S. Wrighton said. "I'm delighted that her name is now connected with that of a most distinguished past member of our scientific community."

Since 1981, Elgin's work has led to increased understanding of the role of chromatin structure in the regulation of gene expression. A recent focus has been on how DNA is packaged to maintain a silent state where the genetic expression of the DNA cannot occur, also known as gene silencing. New research findings showing that only a small fraction of the genome — an organism's collection of genes — actually codes for expressed genes has increased interest in how gene silencing is accomplished.

In 2006, Elgin was awarded a $1.25 million grant from the National Institute of General Medical Sciences for research in this area. She has published more than 170 articles in refereed journals, and her research has been supported by the National Science Foundation, the National Institutes of Health and the American Cancer Society.

"Sally Elgin has set the benchmark for effective teaching and advising, service to the University community, commitment to high standards of excellence in teaching and research and success in nurturing student accomplishments," said Edward S. Macias, Ph.D., executive vice chancellor, dean of Arts & Sciences and the Barbara and David Thomas Distinguished Professor in Arts & Sciences.

"Her research in chromatin structure, molecular genetics and epigenetics is well-known and respected worldwide," Macias added. "She is the ideal holder of the inaugural Viktor Hamburger Distinguished Professor title at Washington University."

MARY BUTKUS

Sarah C.R. Elgin, Ph.D., speaks with Robert E. Thach, Ph.D., dean of the Graduate School of Arts & Sciences, in Holmes Lounge following her installation as the first Viktor Hamburger Distinguished Professor in Arts & Sciences.

While early on Elgin taught a lecture/discussion course on chromatin structure, during 1999-2002, she switched to a lecture/discussion/lab course for sophomores on molecular genetics.

From 1992-2004, she also assumed broader responsibilities, directing the University's Howard Hughes Medical Institute (HHMI) Undergraduate Biological Sciences Education Program. HHMI supports a pre-freshman summer research program as well as undergraduate summer research at the University.

She teaches a junior/senior lab course, "Research Explorations in Genomics," and "DNA Workshop" for non-science majors.

Elgin began a Science Education Partnership with her children's University City School District in the late 1980s, leading to the development of materials that enable high school teachers to integrate teaching DNA science, as well as information on the Human Genome Project, into their genetics unit. In addition, her approach for supporting K-8 teachers with "Hands-on Science" courses continues to be used by scientists and expert teachers.

These programs have been developed through the University's Science Outreach program, directed by Victoria May.

Elgin's current efforts are focused on bringing genomics into both the undergraduate curriculum and the K-12 Science Outreach program. These efforts are supported by her appointment as a Howard Hughes Medical Institute Professor in 2002 and again in 2006.

Elgin earned a bachelor's degree in chemistry from Pomona College in 1967 and a doctorate in biochemistry from the California Institute of Technology in 1971. After postdoctoral work at Caltech, she taught at Harvard University from 1973-1981. She left to join WUSTL as associate professor of biology and rose to full professor in 1984.

Viktor Hamburger, Ph.D., joined the faculty in 1935 as assistant professor of zoology, advancing quickly to full professor and department chair, holding that position for 25 years. He was appointed the Edward Mallinckrodt Distinguished University Professor in 1968.

Although he received emeritus professor status in 1969, Hamburger remained active in research well into the 1980s. His research in the field of neuroembryology is respected worldwide.

Among his high honors were election to the National Academy of Sciences and the American Academy of Arts and Sciences; honorary degrees from WUSTL, Uppsala University in Sweden and The Rockefeller University; and the prestigious National Medal of Science. He died one month shy of his 101st birthday in 2001.

Student environmental initiatives helped by Luce

BY BARBARA REA

A grant from The Henry Luce Foundation will boost the experiential learning opportunities provided by the Interdisciplinary Environmental Clinic (IEC).

In the clinic, students work in interdisciplinary teams, supervised jointly by environmental attorneys and engineers, and provide pro bono legal and technical services to environmental and community organizations. The clinic offers students a unique educational experience, applying their classroom learning to actual cases and addressing cutting-edge legal and technical issues.

In announcing the gift of $450,000, to be distributed over four years, Chancellor Mark S. Wrighton said its enhancing effects will be felt throughout the University and beyond.

"The Interdisciplinary Environmental Clinic involves not only law students, but draws student participation from throughout the University's schools, so this grant will affect graduate students in engineering, environmental studies, medicine, social work and business, in addition to law," Wrighton said.

"Drawing in our talented students to address challenging environmental problems is vital, and their work has already resulted in positive changes in the communities in which we live," he added. "It is a testament to their dedication and good work that The Luce Foundation recognizes and supports them."

Housed in the School of Law, the IEC has about 36 students throughout the academic year and as many as eight students during the summer actively engaged in legal and technical cases on behalf of non-profit organizations.

Some of the clinic's most recent cases include the Missouri Coalition for the Environment's initiative to address lead contamination in Herculaneum, Mo.; a Sierra Club challenge against the construction and expansion of coal-fired power plants in Kansas City, Mo., which resulted in a precedent-setting settlement addressing global warming; and a victory for the American Bottom Conservancy in an important Clean Water Act case in East St. Louis, Ill.

"The Henry Luce Foundation grant will support strategic expansion of the clinic, enhancing and expanding its experiential learning opportunities," said Maxine Lipeles, J.D., clinic director and senior lecturer in law. "This grant will enable us to establish a Summer Internship Program and an Engineering and Science Fellowship and otherwise to enrich the educational benefits offered by the clinic."

At the University, The Luce Foundation also supports undergraduate research for female students in the School of Engineering. A recent grant for $225,000 from the Clare Boothe Luce Program, a component of the foundation, will provide female undergraduates stipends to participate in research projects with faculty mentors in the summer.

Prior to this gift, The Luce Foundation supported the Henry Luce Professor of Individual and Collective Memory in Arts & Sciences, a faculty distinction held by Pascal R. Boyer, Ph.D., professor of anthropology in Arts & Sciences.

Before that, the foundation provided funds for the Henry R. Luce Professor of Law and Liberty, held by Douglass C. North, Ph.D., the Spencer T. Olin Professor in Arts & Sciences.

The Henry Luce Foundation was established in 1936 by the late Henry R. Luce, co-founder and editor-in-chief of Time Inc. Its assets of approximately $800 million support the foundation's interests in the interdisciplinary exploration of higher education, increased understanding between Asia and the United States, religion and theology, American art, opportunities for women in science and engineering, and environmental and public policy programs.

Trustees meet, elect Jai Nagarkatti to the Board

Jai Nagarkatti, Ph.D., president and CEO of Sigma-Aldrich Corp., was elected to the University's Board of Trustees at its meeting May 4, according to Chancellor Mark S. Wrighton. In addition, the trustees reappointed two former Board members and re-elected seven others.

The trustees received a briefing from Kimberly G. Walker, the University's new chief investment officer, and from Trustee John H. Biggs, former chairman and CEO of TIAA-CREF and chair of the Washington University Investment Management Co. The briefing focused on the oversight and management of the University's endowment.

In his report to the trustees, Wrighton focused on the McDonnell International Scholars Academy International Symposium on Energy and Environment held May 4-7 on campus.

He noted that 11 CEOs of Partner Universities in Asia and the Middle East would attend this seminal event, along with about 40 other global academic leaders. Keynote addresses would be given by Thomas R. Pickering, former U.S. ambassador to the United Nations; Ralph J. Cicerone, Ph.D., president of the National Academy of Sciences; Hugh Grant, chairman, president and CEO of Monsanto Co.; and John C. Crittenden, Ph.D., of Arizona State University.

Wrighton briefed the trustees on the U.S. News & World Report rankings of graduate and professional programs, noting that 20 schools and academic areas now hold Top 10 rankings. The School of Medicine maintained its fourth-place position and continues to be No. 1 in the nation in student selectivity.

The schedule for the University-wide strategic planning process was announced, culminating in a trustee retreat in mid-2009. Wrighton also reported on the status of undergraduate admissions, which is experiencing yet another record year for applications. He reviewed plans for Commencement ceremonies, updated progress on facilities and congratulated the athletics program on another outstanding year.

Election of trustees

The University's newest trustee, Jai Nagarkatti, has served as president and CEO of Sigma-Aldrich since Jan. 1, 2006, when he was promoted from his position as president and chief operating officer at the corporation. Nagarkatti has served for 29 years at Sigma-Aldrich and has worked in research and development, production, operations, sales and marketing. He served as president of Sigma-Aldrich's largest research division and of the fine chemicals business.

Nagarkatti is a U.S. citizen who was born in Hyderabad, India. He earned a master's degree in chemistry at Osmania University in Hyderabad and a doctorate in organic chemistry at Texas A&M University. Sigma-Aldrich is a St. Louis-based company operating in 35 countries with more than 6,800 employees worldwide.

Two former trustees, Floyd E. Bloom, M.D., and Shinichiro Watari, were re-elected to the Board for four-year terms. Bloom is professor emeritus of the Molecular and Integrative Neurosciences Department at The Scripps Research Institute in La Jolla, Calif., and Watari is chairman of Cornes & Co. Ltd. of Hong Kong.

Re-elected to regular terms on the Board were Maxine Clark, chief executive bear, Build-A-Bear Workshop Inc.; Stephen Distler, retired managing director and treasurer of Warburg Pincus LLC; Robert E. Hernreich, owner of the Arizona Rattlers and co-owner of the Sacramento Kings; Louis G. Hutt Jr., managing member of Bennett, Hutt & Co. LLC;

William B. Neaves, Ph.D., president and CEO of the Stowers Institute for Medical Research; Barbara Schaps Thomas, senior vice president and chief financial officer of HBO Sports; and Ann Rubenstein Tisch, founder of The Young Women's Leadership Schools & The Young Women's Leadership Foundation.

Richard F. Ford was elected as an emeritus trustee. He is director of Barry-Wehmiller Co., Stifel Financial Corp., Spartan Metal Products and TALX Corp.

The trustees re-elected the current slate of officers for the 2007-08 term. Remaining as chairman is David W. Kemper, chairman, president and CEO of Commerce Bancshares Inc.

Continuing as vice chairmen of the Board are John F. McDonnell, retired chairman of the board of McDonnell Douglas Corp., and Stephen F. Brauer, president of Hunter Engineering Co.

Representing students

Appointed as undergraduate student representatives to the Board were Kristopher R. Kelley, Arts & Sciences Class of '08, and Kimia H. Ferdowsi, Sam Fox School of Design & Visual Arts' College of Art Class of '08.

Graduate and professional student representatives are Emma B. Cottler, John M. Olin School of Business MBA Class of '08, and Elliott M. Weiss, School of Medicine Class of '10.

Undergraduate representatives completing their terms on the Board were A.J. Singletary, Arts & Sciences Class of '08, and Richard Zernickow, School of Engineering & Applied Science Class of '07.

The outgoing graduate/professional student representatives were Andrew Butler, Arts & Sciences, and Melani S. Cheers, medical school Class of '09.

The chancellor took special care to thank Harriet K. Switzer, Ph.D., for her 27 years of service to the University and for her role as secretary to the Board of Trustees.

Trustees also received reports from the following standing committees: Nominating, Compensation, Development, Educational Policy, Honorary Degree, Medical Finance, University Finance, and Audit, as well as from the Alumni Board of Governors.

The meeting ended with the trustees approving the granting of degrees at Commencement May 18.

School of Medicine Update

Warner named chief pediatric surgeon

BY CAROLINE ARBANAS

Brad W. Warner, M.D., has been named pediatric surgeon-in-chief at the School of Medicine and St. Louis Children's Hospital effective July 1.

Warner also has been appointed the Apolline Blair St. Louis Children's Hospital Professor of Surgery, an endowed chair of the medical school and the hospital. The appointments were jointly announced by Timothy J. Eberlein, M.D., the Bixby Professor and head of the Department of Surgery, and Lee Fetter, president of St. Louis Children's Hospital.

"Dr. Warner is an exceptional pediatric surgeon," said Larry J. Shapiro, M.D., executive vice chancellor for medical affairs and dean of the School of Medicine. "His leadership as pediatric surgeon-in-chief will help strengthen the University's position as a major center for pediatric surgery, research and training. He also will be instrumental in helping to recruit additional nationally recognized pediatric surgeons as we continue to expand the range of surgical services available to our young patients."


Warner

Warner, who grew up in St. Louis, returns after a 25-year tenure in Cincinnati, where he was an attending surgeon in the division of pediatric surgery, program director for the pediatric surgery residency program and director of surgery research at Cincinnati Children's Hospital. He also was professor of surgery and of pediatrics at the University of Cincinnati College of Medicine.

He is widely recognized for his clinical expertise in pediatric cancer surgery and surgical procedures for short bowel syndrome and inflammatory bowel disease.

"Dr. Warner's arrival illustrates our continued dedication to providing world-class surgical care to children," Fetter said. "We're thrilled to have him on board."

"Brad Warner is a phenomenal addition to our Department of Surgery," said Eberlein, also director of Siteman Cancer Center. "Not only does he bring an internationally recognized research program with him to St. Louis, but he is an outstanding surgeon and mentor."

> "Warner's leadership as pediatric surgeon-in-chief will help strengthen the University's position as a major center for pediatric surgery, research and training."
>
> LARRY J. SHAPIRO

Warner's research focuses on understanding how the body adapts when a large part of the intestine is surgically removed or lost due to injury, inflammation or lack of blood supply. In many cases, the part of the intestine that remains senses this loss and tries to compensate by growing back.

Warner is hoping to identify key genes involved in this process, with the goal of enhancing intestinal growth. This would allow patients to live a more normal life and avoid the need for intravenous nutrition, which can lead to sepsis, liver failure and other complications.

Warner earned a medical degree from the University of Missouri-Kansas City School of Medicine. He completed his residency in surgery at the University of Cincinnati Medical Center, with a fellowship in pediatric surgery at Cincinnati Children's Hospital. He is a 1976 Parkway North High School graduate.

"I am excited to join the exceptional academic environment of the School of Medicine and clinical programs of St. Louis Children's Hospital," Warner said. "Working with the outstanding teams at both institutions, we will build world-class programs for pediatric surgery and a research infrastructure that is second to none with the common goal of making a difference in the lives of children and families."

TIM PARKER

Committed to fighting cancer (From left) Charles F. and Joanne Knight with Chancellor Mark S. Wrighton and Timothy J. Eberlein, M.D., director of Siteman Cancer Center, at the recent dedication of the Joanne Knight Breast Health Center and Breast Cancer Program at Siteman Cancer Center. The center dedicated a plaque and a portrait of Mrs. Knight, whose generosity endows the Breast Health Center. More than 50,000 women come to the center annually.

Awards honor extraordinary teachers

BY BETH MILLER

Krikor T. Dikranian, M.D., Ph.D.; Jay F. Piccirillo, M.D.; and David W. Windus, M.D., recently received the Samuel R. Goldstein Leadership Awards in Medical Student Education for 2006.


Dikranian


Piccirillo


Windus

The Goldstein Awards honor outstanding educators at the School of Medicine and were established in 2000 in memory of Goldstein, a longtime friend of the medical school. After a formal nomination process, faculty peers select the recipients.

Dikranian is an instructor of physical therapy and of anatomy who joined the faculty in 1996. His research interests include fetal alcohol syndrome, Alzheimer's disease and neurodegenerative diseases of the central and peripheral nervous systems. Students consider him extremely well-prepared, knowledgeable and enthusiastic in delivering his insight.

Piccirillo is a professor of otolaryngology (head and neck surgery), of occupational therapy and of medicine who joined the faculty in 1992. He established the T32 Predoctoral Multidisciplinary Clinical Research Program, which provides training under initiatives promulgated by the new National Institutes of Health Roadmap for clinical and translational research. Piccirillo is a role model for students, recognized for his devotion to the education of future practitioners and investigators.

Windus is associate professor of medicine and assistant medical director of the Chromalloy American Kidney Center at the medical school. Windus, who joined the faculty in 1983, recently implemented team-based learning into the "Renal Pathophysiology" course and in clinical pathophysiology conferences, resulting in greater understanding and appreciation of nephrology by students. He also developed a curriculum for the first medical school in the African country of Eritrea and trained health-care professionals in that country, leading to improvement in the care of diabetes in that nation.

"The Goldstein awards are among the highest honors for teaching that the School of Medicine gives," said Larry J. Shapiro, M.D., executive vice chancellor for medical affairs and dean of the School of Medicine. "While our medical school benefits from having these fine educators as a part of our faculty, our students benefit the most from the exceptional teaching and dedication of these outstanding physician-scientists."

Erika C. Crouch, M.D., Ph.D., Goldstein committee chair and professor of pathology and immunology, said Dikranian, Piccirillo and Windus are excellent selections for this recognition.

"Members of the selection committee had no difficulty reaching a consensus," Crouch said. "Their educational contributions met all the award's criteria and more."

HIV care to low-income adults advanced by $2.5 million grant

BY CAROLINE ARBANAS

The School of Medicine has received a $2.5 million grant to provide medical care to low-income and underserved adults living with HIV. The five-year grant, from the U.S. Department of Health and Human Services, was awarded through the Ryan White HIV/AIDS Treatment Modernization Act.

The grant provides resources to address both early intervention services, including HIV testing, and the full range of medical care to patients with HIV/AIDS who are either uninsured or underinsured.

In St. Louis, an estimated 4,700 people are living with HIV/AIDS. As much as 40 percent of them are unaware they have HIV, which disproportionately affects minorities and the poor.

"This funding is crucial because it supports both HIV testing to help prevent the disease from spreading further and provides care to people living with HIV who would otherwise have little or no access to treatment," said Turner Overton, M.D., the grant's recipient and an assistant professor of medicine. "Our goal is to identify people who need HIV care and make sure they get treatment early and over the long term."

The University's program will work with local AIDS service organizations and with St. Louis City and County health departments to encourage HIV testing and help more patients get appropriate care, Overton said.

The University's Infectious Diseases outpatient practice is the largest provider of medical care to people living with HIV/AIDS in the region. The medical school also receives Ryan White funding to provide HIV care to children, youth (ages 13-24) and women through a family centered approach.

Malnutrition work in Haiti gets funding boost

BY BETH MILLER

More than 4,000 malnourished children in Haiti will get a chance to be nursed back to health with a nutrient-rich peanut-butter mixture, thanks to a grant received by Meds & Food for Kids (MFK).

Patricia Wolff, M.D., associate professor of clinical pediatrics, founded MFK in 2004 after she saw that medications and small amounts of Haitian staples — rice, beans and corn — weren't enough to bring starving Haitian children back to health.

In late May, MFK received a $198,020 grant from the World Bank Development Marketplace as one of 22 projects out of 2,900 applications chosen to share $4 million in funding. The grant program was co-funded by the Bill & Melinda Gates Foundation.

With the grant, the organization will expand its work with the Justinien Hospital and Camp Louise, a regional Haitian public hospital and clinic in Cap-Haïtien, the second-largest city in Haiti. MFK will provide medical services, education and the peanut-butter mixture, known as Ready-to-Use Therapeutic Food (RUTF), to children between 6 months and 5 years old with medically diagnosed malnutrition to increase their body weight by as much as 60 percent.

The locally produced RUTF, known to Haitians as "Medika Mamba," is a mixture of peanuts, sugar, oil, vitamins, minerals and powdered milk that can be fed to children at home. After evaluation and treatment with RUTF, children start to show signs of improvement in 1-2 weeks, becoming more active and growing new hair.

MFK has treated more than 1,600 children in three and a half years and produces 4,400 pounds of Medika Mamba a month.

One course of the six-week treatment, which can be enough to renourish a child, costs less than $100.

Wolff said she hopes the success of the project will persuade the government to accept the RUTF model and incorporate it into the national public health system.

"The country has no malnutrition policy, so we are hoping that we'll be successful and show that this is a great malnutrition project for outpatient therapy," Wolff said. "We are saving money, inpatient beds, personnel and opportunity costs for the families, but most importantly, we are saving children. The treatment is therefore being much more effective than the current rice, beans and corn ration handouts."

The project also is expected to generate $30,000 in sales for Haitian peanut growers.

To carry out the project as planned, MFK will need to raise another $100,000.

University Events

Free concerts begin July 8

The Gateway Festival Orchestra of St. Louis begins its 44th season of free Sunday performances with "All-American," a concert highlighting the varied genres of the nation's music, at 7:30 p.m. July 8 in Brookings Quadrangle.

Subsequent concerts take place at 7:30 p.m. July 15 and 22 in the Quad. The season concludes with a 7:30 p.m. performance July 29 in Graham Chapel.

The orchestra is conducted by James Richards, Ph.D., chair of the Department of Music at the University of Missouri-St. Louis (UMSL).

The "All American" concert opens with a medley of songs by George M. Cohan, the popular Broadway singer/dancer, and continues with Suite Concertante for string orchestra and harp by Alfred Reed and Prelude and Quadruple Fugue by Alan Hovhaness.

Also on the program are Overture to Candide by Leonard Bernstein; a tribute to the film music of Henry Mancini; and Fugue and Chorale on "Yankee Doodle" by Virgil Thomson, the Kansas City-born composer.

The program concludes with Variations on Carnival of Venice, featuring trumpet soloist Joshua Williams, a junior at Metro Academic and Classical High School.

Concerts continue July 15 with "Bach, Goethe, Mendelssohn," featuring works relating to the author Johann Wolfgang von Goethe. The program opens with the overture from Ludwig van Beethoven's incidental music for Goethe's play "Egmont."

WUSTL PHOTO

James Richards, Ph.D., conducts the Gateway Festival Orchestra of St. Louis.

Also on the program is Leopold Stowkowski's orchestrated version of Johann Sebastian Bach's Passacaglia and Fugue in C minor. The concert concludes with Felix Mendelssohn's "Reformation" Symphony.

The July 22 concert — "Classical Vienna" — features music by Franz Schubert and by Wolfgang Amadeus Mozart. The program opens with the overture to Mozart's "Mitridate, rè di Ponto," an opera written when the composer was 14.

Also on the program is Mozart's Sinfonia concertante in E-flat Major, K 364, a work for solo violin and viola with orchestra. Soloists are David Gillham, violinist with UMSL's resident Arianna String Quartet, and Robert Meyer, the quartet's violinist.

The concert concludes with Schubert's Symphony No. 5 in B-flat Major.

The series concludes July 29 with "Multi-cultural Concert." The program will include a performance of the first movement of Beethoven's Piano concerto No. 2 in B-flat Major by 13-year-old Dominic Cheli, winner of the St. Louis 2007 Italian-American Piano Competition.

Also on the program are "Russian Sailors' Dance" from Reinhold Glière's music for the ballet "The Red Poppy" and "La Fiesta Mexicana" by Missouri composer H. Owen Reed.

In addition, the concert will feature spirituals and gospel works performed by the Gospel Symphonic Choir conducted by Dello Thedford.

The Gateway Festival Orchestra was established in 1964 by conductor William Schatzkamer, professor emeritus in piano in the Department of Music in Arts & Sciences, and other local musicians, in part to provide summer employment to members of the Saint Louis Symphony Orchestra.

The area's first integrated professional orchestra, the group originally performed on the downtown riverfront but relocated to the University in 1970.

The public is encouraged to bring lawn seating.

For more information, call 569-0371 or visit gatewayfestivalorchestra.org.

Law hosts domestic violence workshop

BY JESSICA MARTIN

The School of Law will host a workshop titled "The Effects of Domestic Violence on Children" from 8:30 a.m.-noon July 12 in the Bryan Cave Moot Courtroom of Anheuser-Busch Hall.

The workshop, presented by the Missouri Baptist Children's Home (MBCH) Professional Development Institute, will feature an overview of the effects of violence on children and a panel discussion on judges' courtroom experiences regarding domestic violence and its impact on children.

After the panel, workshop participants will discuss the effectiveness of current tactics aimed at ending domestic violence, as well as future remedies for the problem.

Kimberly Jade Norwood, J.D., professor of law and associate professor of African & African American Studies in Arts & Sciences, and Daniel Cuneo, Ph.D., clinical psychologist, will serve as course instructors.

Norwood teaches in the law school's Civil Justice Clinic, which focuses on helping victims of domestic violence.

Cuneo is a founder of Clinical Systems, a program set up to evaluate and treat sexual offenders, and is a co-author of "The Fitness Game," an educational tool designed to teach concepts necessary for an individual to become fit to stand trial. "The Fitness Game" is used in 15 states and the federal system.

The MBCH Professional Development Institute was incorporated in 1997 to facilitate and promote educational activities and service programs related to providing care for children and providing preventive and redemptive services for children, parents and families.

Workshop tuition is $105, and advance registration is preferred but not required. Continuing education credits are available.

To register, call Iris Kirkland at 739-6811, ext. 334, or e-mail pdi.registration@mbch.org.

For more information, visit law.wustl.edu.

'Horse Series' • Resident Awards

"University Events" lists a portion of the activities taking place June 14-July 25 at Washington University. Visit the Web for expanded calendars for the Danforth Campus (webevent.wustl.edu) *and the School of Medicine* (medschool.wustl.edu/calendars.html).

Exhibits

"Horse Series." Abstract images of Clydesdale horses by Robert Boston. Through fall. Farrell Learning and Teaching Center, 520 S. Euclid Ave., Lvl. 2.

Lectures

Thursday, June 14

3 p.m. Siteman Cancer Center Basic Science Seminar Series. Todd R. Golub, dir., cancer program, Broad Inst. of Harvard U. and Mass. Inst. of Technology. Eric P. Newman Education Center. 454-7029.

Friday, June 15

9:15 a.m. Pediatric Grand Rounds. Annual Chief Residents' Invited Lecture. "A Funny Thing Happened On the Way to the Pandemic: How the History of the 1918-1919 Influenza Pandemic Is Informing Global Health Policy in the 21st Century." Howard Markel, the George Edward Wantz Prof. of the History of Medicine, U. of Mich. Clopton Aud., 4950 Children's Place. 454-6006.

Saturday, June 16

7:30 a.m.-noon. Urology CME Course. "Highlights of the American Urological Association 2007 National Meeting." Cost: $35. Frontenac Hilton, 1335 S. Lindbergh Blvd. To register: 362-6891.

Thursday, June 21

8 a.m.-3:30 p.m. Infectious Diseases CME Course. "Infectious Diseases: Battling the Scourges of Today, New Insights for Practicing Physicians." Cost: $135 for physicians; $105 for allied health professionals. Crowne Plaza, 7750 Carondelet Ave. To register: 454-8275.

Friday, June 22

9:15 a.m. Pediatric Grand Rounds. "Resident Awards Ceremony and Graduating PL3 Case Presentations." Lindsay Wylie, Timothy Welch and Sarah Sullivan. Clopton Aud., 4950 Children's Place. 454-6006.

Saturday, June 23

7:30 a.m.-noon. Cardiology CME Course. "Cardiology Update." Cost: $50; $65 after June 15. Eric P. Newman Education Center. To register: 362-6891.

Thursday, July 12

8:30 a.m.-noon. School of Law Workshop. "The Effects of Domestic Violence on Children." Presented by the Missouri Baptist Children's Home Professional Development Inst. Cost: $105. Anheuser-Busch Hall, Bryan Cave Moot Courtroom. To register: 739-6811 ext. 334.

Music

Sunday, July 8

7:30 p.m. Concert. "All-American." The Gateway Festival Orchestra of St. Louis. Brookings Quadrangle. 569-0371.

Sunday, July 15

7:30 p.m. Concert. "Bach, Goethe, Mendelssohn." The Gateway Festival Orchestra of St. Louis. Brookings Quadrangle. 569-0371.

Sunday, July 22

7:30 p.m. Concert. "Classical Vienna." The Gateway Festival Orchestra of St. Louis. Brookings Quadrangle. 569-0371.

Sports

WUSTL Athletics ranks in Top Five

The Department of Athletics moved to fourth place in the 2006-07 U.S. Sports Academy Directors' Cup Division III spring standings. The University, which was seventh after the fall season and third after the winter season, had a program-best 791.50 points.

The Bears softball team took second at the NCAA Championships. Baseball made its third straight NCAA appearance. The men's tennis team ended the season with a loss to eventual national champion University of California, Santa Cruz in the NCAA quarterfinals. Sophomore Charlie Cutler was named the ITA Central Region and National Player to Watch, while freshman John Watts earned the Central Region and National Rookie of the Year awards.

Nick Povalitis wins AVCA media award

The American Volleyball Coaches Association (AVCA) announced that Nick Povalitis, assistant sports information director, is a 2006-07 AVCA Grant Burger Media Award winner for the Central Region.

Povalitis, who also won the award in 2004-05 and 2005-06, was one of eight award winners in Division III women's volleyball. He handles publicity for WUSTL's baseball, men's and women's cross country, men's soccer, men's and women's swimming and diving, men's and women's track and field, volleyball, women's basketball and women's tennis teams.

A Rockford, Ill., native, Povalitis' last day on the Danforth Campus was June 7. He returned to his hometown to pursue other career opportunities.

Football's Scott Mueller promoted

Scott Mueller has been promoted to full-time assistant football coach, head coach Larry Kindbom announced. Mueller replaces Shap Boyd, who took the defensive coordinator position at Muskingum College. Mueller, who has spent the past four seasons as a part-time coach, will serve as the defensive line coach for the Bears. He came to WUSTL in 2002 after serving as assistant coach at Maplewood Richmond Heights High School.

Baseball players named all-region

Senior Andy Shields highlighted five players on the American Baseball Coaches Association All-Central Region Team. A first-team all-region selection, Shields also garnered second-team All-America accolades. Senior first baseman Eddy Hoering and sophomore right fielder Zander Lehmann received second-team honors, while senior third baseman Arden Farhi and sophomore right-hander Brian Williams garnered third-team honors.

Softball's Sagartz receives honors

Senior softball pitcher Laurel Sagartz has been named a finalist for the Honda Award for the Division III Female Athlete of the Year, as announced by the Board of the College Women Sports Awards. In addition, Sagartz earned ESPN The Magazine third-team Academic All-America honors, as announced by the College Sports Information Directors of America. A three-time Academic All-UAA honoree, she graduated in May with a 3.40 grade-point average in mechanical engineering.

Campus Watch

This information is provided as a public service to promote safety awareness. Visit the University Police Web site at police.wustl.edu.

Arrest

William Harris, 24, was arrested in connection with the sexual assault of a University student that occurred Feb. 12 in the South 40, according to Don Strom, chief of University Police.

Harris was arrested March 5 for violation of the terms of his parole in an unrelated crime in University City in 2003.

Harris, who was employed for only two months in 2002 by an independent food service provider located in Mallinckrodt Student Center, became the primary suspect in the sexual assault case after an extensive investigation conducted by the Clayton and WUSTL police departments.

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Associate Vice Chancellor Steven J. Givens
Executive Editor Susan Killenberg McGinn
Editor Martha M. Everett
Associate Editor Andy Clendennen
Associate Editor Neil Schoenherr
Medical News Editor Beth Miller
Calendar Coordinator Genevieve Posey
Print Production Carl Jacobs
Online Production Genevieve Posey

News & Comments
(314) 935-6603
Campus Box 1070
record@wustl.edu

Medical News
(314) 286-0119
Campus Box 8508
millerbe@wustl.edu

Calendar Submissions
Fax: (314) 935-4259
Campus Box 1070
recordcalendar@wustl.edu

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Engineering's Kroeger receives Gloria White award at Staff Day

BY ANDY CLENDENNEN

It's pretty clear that John "Chris" Kroeger enjoys his job at the School of Engineering. Heck, it's pretty clear that he enjoys the University as a whole.

Kroeger, engineering associate dean and registrar, was recognized with the Gloria W. White Distinguished Service Award in a May 21 ceremony in Edison Theatre as part of the annual Staff Day activities.

Not only does Kroeger find time to teach three different classes — a freshman seminar, a graduate assistantship and an independent work in the Sever Institute Program of Continuing Studies — but he also volunteers his time outside of the engineering school.

Some of this time is allotted for Parents Council and Parents Weekend events, resident adviser training sessions and high school visits for the Office of Undergraduate Admissions.

> **"He is always upbeat and positive."**
> MARK S. WRIGHTON

"He is always upbeat and positive," said Chancellor Mark S. Wrighton when introducing Kroeger at the ceremony, "and his entire office staff, which is the face of the University for both our undergraduate and graduate students, takes on his spirit, creating a truly positive working environment for staff and a great environment for students."

One nominator wrote of Kroeger: "When I think about what makes [him] truly special as a professional in the student service area, it is his dedication to the University and to the mission of educating students, his genuine love of working with students [and] his knowledge of every aspect of student life and services."

The Gloria W. White Distinguished Service Award was established 10 years ago to provide recognition to a nonacademic staff member for exceptional effort and contributions that have resulted in the betterment of the University.

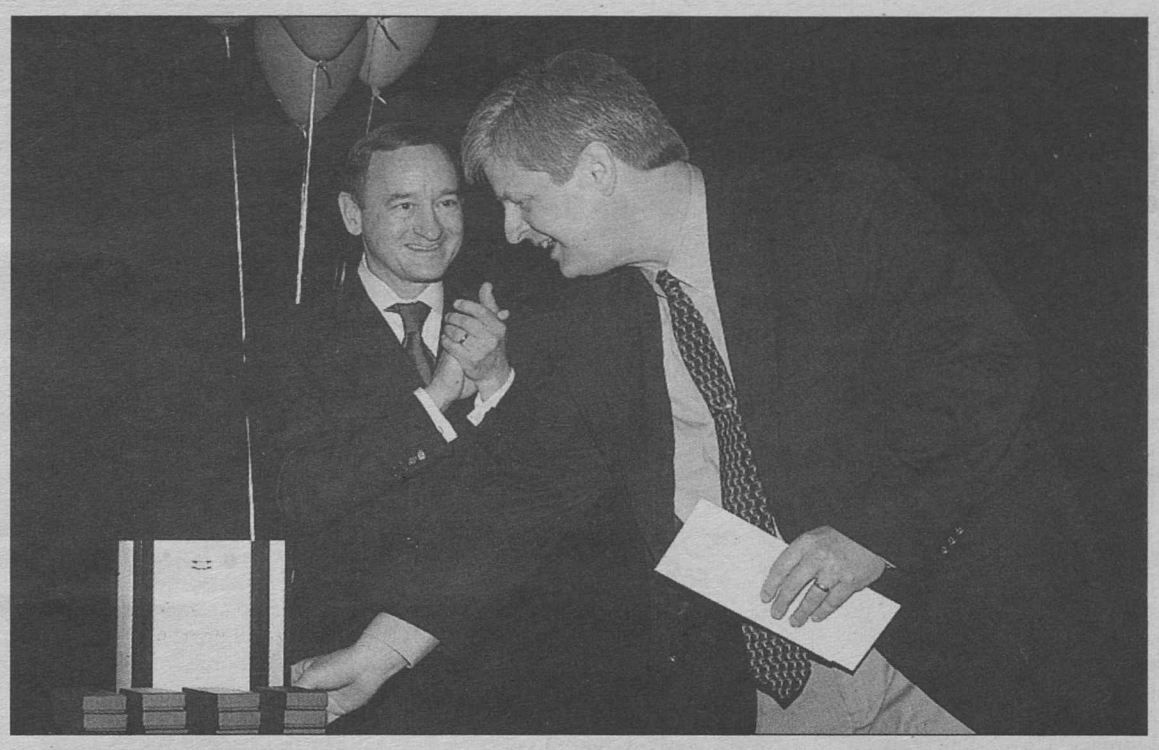
Other winners

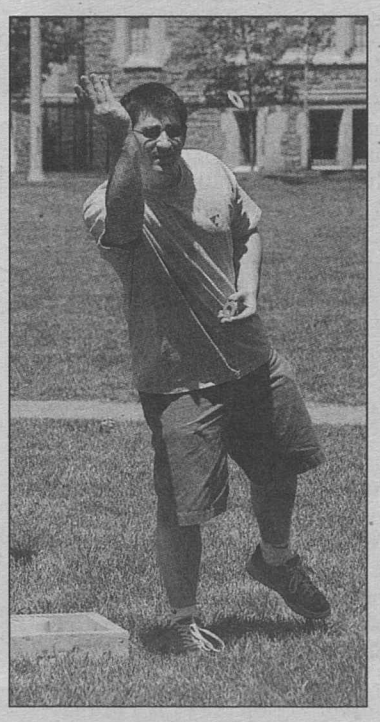
Staff Day also featured several activities for Danforth Campus personnel, including drawings for donated prizes. Winners of a $25 Bon Appetit dining card were Sandra Devereaux, Rose Mary Schultze, Tao Zhang, Tina Fink and Dan Szatkowski.

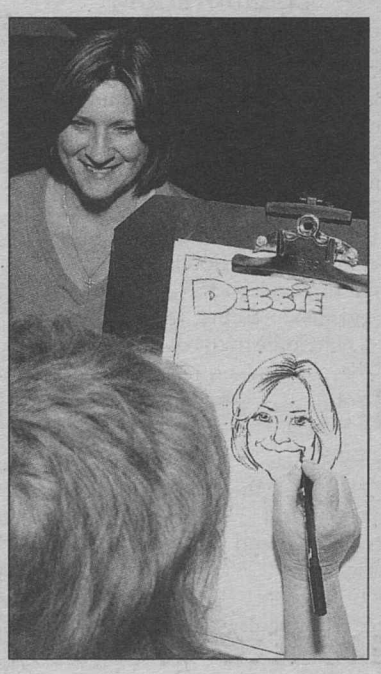
Joshua Trein, Doug Volmert and Jason Marquart all won lunch for four in the Anheuser-Busch Dining Hall of the Charles F. Knight Executive Education Center, and Diane Ryberg won dinner for two at Whittemore House.

Other winners were Carla Reed, Sandra Ackerman and Ryan Croft (all winning two infield box seats to a St. Louis Cardinals baseball game); Karen Rensing ($100 Visa gift card); Karen Swiney (pair of OVATIONS! Series season tickets); Sue Horstman ($25 gift certificate and a case of Fitz's root beer); and Maggie Edwards (two travel gift cards).

Winners of the competition trophies were, in softball, "Spin Docs" of the Office of Public Affairs; volleyball, George Warren Brown School of Social Work; washers, "JB and Jam" — Jason Becker and Chris Huels; co-ed golf, Ann Bradley and Joe Sklansky; men's golf, Jeff Cooper and Jim Severine; and women's golf, Vicki Goldman and Danette Hutton.



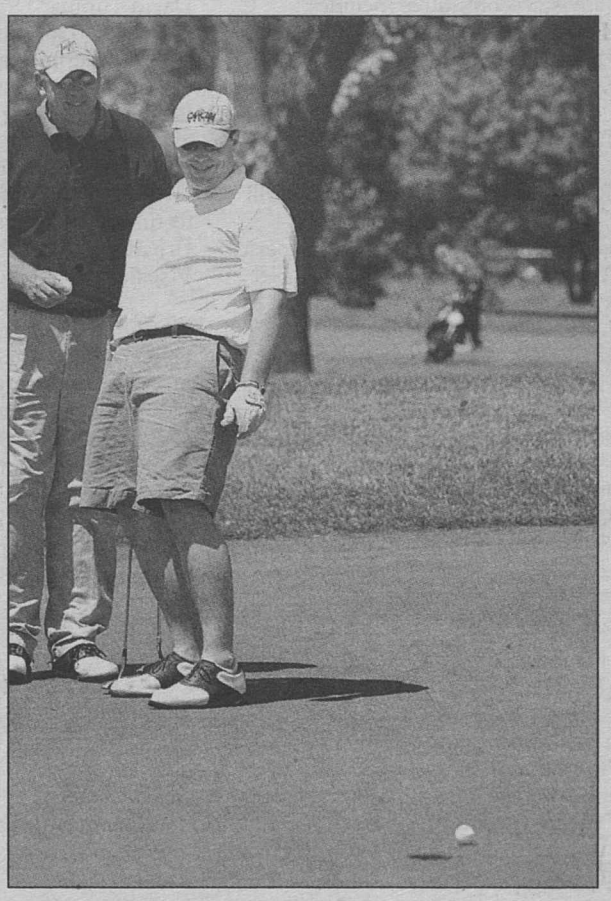




Above: Chancellor Mark S. Wrighton applauds John "Chris" Kroeger, winner of the Gloria W. White Distinguished Service Award, which recognizes a staff member for exceptional effort and contributions that result in the enhancement of the University. Wrighton presented Kroeger, associate dean and registrar of the School of Engineering, with the award, along with a check for $1,000, May 21 in Edison Theatre.

Far left: Chip Stone of the School of Law aims for a ringer playing washers at Mudd Field.

Left: Debbie Vasel of Accounting Services poses for a caricature in the lower level of Mallinckrodt Student Center, where two artists sketched staff likenesses as souvenirs of the day.



Brian Lawton of Information Systems tries to will his golf ball to take a last-second detour toward the hole as Bill Hunn of Information Systems looks on at Forest Park.

PHOTOS BY KEVIN LOWDER

Employees honored for years of service

At Staff Day May 21, the following people were recognized for **10 years of service** to the University: Earl R. Banez, Rosemary J. Baxter, Philip Berwick, Sharon V. Britt, Jill E. Carnaghi, Robert C. Compton, Britt M. Congemo, Judith A. Culp, Clifford J. Davis, Gayle Derouin, Margaret-Peggy Dufer, Steven M. Ehrlich, Barbara A. Feiner, Betsy D. Foy, Michael Frank, Amy M. Gassel, Michael A. Grayson,

Curt R. Harres, Robert Hayes, William J. Heffernan, Amy J. Heisler, Steven P. Hoffner, Mary L. Hovland, Thomas H. Howard, Clarice M. Jenkins, April L. Kennedy, Julie M. Kennedy, John R. Koerkenmeier, Joanna Kressaty, Amy B. Kweskin, Terri G. Leyton, Lou Lucas, Patricia H. Luce, David L. Luechtefeld,

Leah A. Merrifield, Jane C. Miller, Judith Musick, Florin Petrescu-Tudor, Regina Poe, Ryan J. Rhea, Lisa K. Schmidt, Kimberly A. Selle, Heather Sloan-Randick, Tommy P. Thompson, Mitchell E. Tippen, Clayton Utzler, Wilbert (Mark) Verity, Sarah C. Weller, Gail M. Wright and Charles M. Wuensch.

The following people were recognized for **15 years of service**: Crystal A. Baldwin, Luisette Behmer, Marilyn A. Chill, Christine A. Deutschmann, James M. Dryden, Joyce L. Duncan, Tammy D. Dwyer, Tony O. Fafoglia, Peter K. Fan, Vicki J. Ferrari, Linda A. Goez, Patricia J. Gregory, Steve Grimes,

Patricia L. Haftarczyk, Scott M. Handley, Lynn M. Harrigan, Galen V. Harrison, Roxanna Herrick, Marcia A. Holleran, Marsha C. Hussung, Andrew K. Johnstone, Susan M. Kapp, Kenneth A. Laster, Pamela S. Lokken, Catherine M. Marler, Gerald E. Pelikan, Janine M. Prost-Domasky, Catherine Rankovic, Lisa M. Siddens, Mark W. Smith, Ralph H. Thaman, Linda M. Trower, Martha L. Turner, Sandra L. Tutinoi, Barry M. Weller, Pamela K. Wiese, William A. Wiley, William H. Witbrodt, Sok-Lin T. Yong and Eric S. Young.

The following people were recognized for **20 years of service**: John A. Berg, A. Van Brokaw, Debora K. Burgess, Ronald L. Burmeister, Helen K. Cook, Lee M. Cribbs, Stanley J. Crone, Anthony De Marinis, Kaaren J. Downey, Thomas H. Evola, Nancy K. Fahey, David A. Fitzpatrick, Donna L. Higgins, Cassandra A. Hill, Paula J. Kiefel, Keith W. Klein, Bruce K. Kremer,

Lora M. Lanczkowski, Michael J. Laverdure, Deborah M. Lydon, Dennis J. Martin, Margaret A. McClelland, Robert T. McFarland, Madison H. McGuire, Donna J. Mollerus, Christine G. Moseley, Sharon L. Newsom, Glenn R. Osburn, Gregory S. Potter, Allan R. Randle, John M. Rozycki, Kimberly K. Shilling, Margaret L. Smith, Joni L. Westerhouse and Joann M. Wuller.

The following people were recognized for **26 years of service**: Sally A. Bartholomew, Edna R. Canada, Rudolph Clay, Juli W. Einspanier, William Fletcher, Leonard J. Gibson, Stephen R. Hermann, Margaret R. Hilpert, Mona G. Hughes, Shelli M. Kastin, Kathleen E. Lasater,

Alan L. Mader, Katherine A. McDaniel, Kathleen M. O'Donnell, Lawrence E. Poll, William G. Price, Harriet K. Switzer, Barbara L. Thomas, Anna Tsadka, M. Fredric Volkmann, Stanley Walker, Melinda E. Warren, Crystal Watts and Cynthia D. Williams.

The following people were recognized for **30 years of service**: Diane S. Cahill, Adrienne L. Glore, Maurice R. Jones, James W. Linders, Patrick O. Moore, Brian W. Strahan and Bobby L. Trulove.

The following people were recognized for **35 years of service**: Philip N. Corpening, Cynthia L. Cosby, Stanley S. Drane, Otha L. Overholt, Edward W. Stevens, David A. Tanner and Donna B. Williams.

Russert

– from Page 1

"He walked solemnly into the room, and at that time, it seemed as large as this quadrangle," Russert recalled. "I was there to convince him it was in his interest to appear on the 'Today' show. But my thoughts quickly turned from Bryant Gumbel's career and NBC's ratings toward the prospect of salvation.

"He took my arm and said, 'You are the man called Timothy from N-B-chee,'" Russert said, impersonating the accent. "I said: 'I am your guy. Don't forget this face!' He said, 'They tell me you're a very important man.' I said, 'Your Holiness, with all due and deep respect, there's only two of us in this room. I'm a most distant second.'

"He put his hands on my shoulders, looked me in the eyes and said, 'Right.'"

Then Russert turned serious, talking about his father, "Big Russ" — whom he calls his "hero" — and invoked the names of Mother Teresa, Lech Walesa and Nelson Mandela, as well as recognizing the police, firefighters and rescue workers of September 11.

"[They] properly redefined modern-day heroism. All these men and women have one thing in common with you: Like the past, the future leaders of this country and this world will not be born to the blood of kings and queens, but to the blood of immigrants and pioneers.

"It is now your turn. You have the chance to be doctors and lawyers, bankers, accountants, social workers, soldiers, journalists, entrepreneurs, business people, teachers and more.

"And in those vital professions, your contributions will be enormous. You can save lives, provide prosperity, record history, prevent disease, train young minds. Your family and your education and your values have prepared you for this challenge."

Russert then issued a challenge to the current generation, while invoking the legacy and achievements of previous generations.

"And remember your grandparents and parents, who defended this country, who built this country, who brought you into this world and a chance to live the American dream. Will your generation do as much for your children? You know you must. Every generation is tested and given the opportunity to be the greatest generation.

"And so, too, with the Washington University graduates of 2007. You were born, and you were educated to be players in this extraordinary blessing called life. But please do the world one small favor: Remember the people struggling alongside you and below you, the people who haven't had the same opportunity, the same blessings, the same Washington University education.

"The best commencement I ever heard was all of 16 words: 'No exercise is better for the human heart than reaching down to lift up another person.' That is your charge. That is your challenge. That is what I believe it means to be a member of the Class of 2007, of this wonderful place called Washington University."

Russert closed his address with a message, complete with a little more of his trademark humor.

"For the good of all of us, please build a future we can be proud of," he said. "You can do it, but please, get busy. You only have 2,300 weeks before you'll be eligible for Social Security."

For a transcript of Tim Russert's Commencement address, visit news-info.wustl.edu/news/page/normal/9548.html.

I-CARES

I-CARES will work with McDonnell Academy

Universities to collaborate in global energy and environmental research

The newly established International Center for Advanced Renewable Energy and Sustainability (I-CARES) at the University will encourage international collaborative research on energy and environmental issues by working closely with a global partnership of leading universities forged recently by the University's McDonnell International Scholars Academy.

"I-CARES will have a strong international component stemming from our McDonnell International Scholars Academy program and will include research not only on biofuels, but also on biological approaches to photoconversion of carbon dioxide to biomass," Chancellor Mark S. Wrighton said. "This includes an effort on carbon dioxide mitigation/sequestration needs stemming from expanded use of coal, which is a key energy resource globally and regionally."

The McDonnell Academy includes exceptional graduate and professional students as McDonnell Scholars from Partner Universities across Asia and the Middle East in all graduate disciplines and professional schools at the University. These future leaders receive full graduate fellowships, including tuition, room, board and travel. Currently, four of the 30 scholars are pursuing doctorates in the Department of Energy, Environmental and Chemical Engineering.

The McDonnell Academy not only provides the scholars rigorous graduate instruction in their chosen areas of study, but also steeps them in a cultural, political and social education program designed to educate them about the United States, other countries and critical international issues, including energy, the environment and sustainability.

> **"This represents an absolutely unique approach to international research collaboration."**
>
> MARK S. WRIGHTON

The presidents of 11 McDonnell International Scholars Academy University Partners from Asia and the Middle East gathered with Wrighton May 4-7 at the International Symposium on Energy and Environment at the University to discuss various ways their institutions are addressing global energy and environmental concerns.

At the end of the symposium, the participants issued a "Call to Action" on energy and environment. (See story in the May 10, 2007, Record at record.wustl.edu.) Wrighton also announced that the University will provide $500,000 to support collaborative projects involving University faculty and those from Partner Universities.

The partnership is known as the McDonnell Academy Global Energy and Environment Partnership (MAGEEP), and a follow-up summit on energy and environment will be held in Hong Kong in December 2008.

"Many interesting areas of collaborative research were discussed during our meeting here, and I think this represents an absolutely unique approach to international research collaboration," Wrighton said.

I-CARES committees draw on global expertise

The International Center for Advanced Renewable Energy and Sustainability (I-CARES) at the University will be supported by advisory and steering committees comprised of both external and internal leaders, Chancellor Mark S. Wrighton announced.

Corporate leaders will provide advice, and faculty will comprise a steering committee.

The external advisory committee includes:

- **Tony Arnold**, CEO, Solae
- **Gregory H. Boyce**, CEO, Peabody Energy
- **Daniel F. Cole**, senior vice president, Ameren Corp.
- **Robert T. Fraley**, executive vice president and chief technology officer, Monsanto Co.
- **Ganesh Kishore**, managing director, Burrill & Co.
- **Carl Hausmann**, CEO, Bunge North America
- **Randall Ledford**, senior vice president and chief technology officer, Emerson
- **Steven F. Leer**, CEO, Arch Coal
- **Martha Schlicher**, vice president for engineering and operations, Renewable Agricultural Energy Inc.
- **John Stier**, group director of environmental affairs, Anheuser-Busch Cos. Inc.
- **Mark D. Stowers**, vice president for research & development, Poet
- **S. Richard Tolman**, CEO, National Corn Growers Association

The internal steering committee will be chaired by **Edward S. Macias**, Ph.D., executive vice chancellor, dean of Arts & Sciences and the Barbara and David Thomas Distinguished Professor in Arts & Sciences.

The internal steering committee includes:

- **Pratim Biswas**, Ph.D., the Stifel and Quinette Jens Professor and chair of the Department of Energy, Environmental and Chemical Engineering in the School of Engineering
- **Bruce Lindsey**, dean of the College of Architecture and Graduate School of Architecture & Urban Design in the Sam Fox School of Design & Visual Arts
- **Himadri B. Pakrasi**, Ph.D., director of I-CARES, the George William and Irene Koechig Freiberg Professor of Biology in Arts & Sciences and professor of energy in the School of Engineering
- **Mary J. Sansalone**, Ph.D., dean of the School of Engineering

Pakrasi leads I-CARES

The International Center for Advanced Renewable Energy and Sustainability (I-CARES) at the University will operate under the direction of Himadri B. Pakrasi, Ph.D., the George William and Irene Koechig Freiberg Professor of Biology in Arts & Sciences and professor of energy in the School of Engineering.

Pakrasi was born in Calcutta, India, and received undergraduate and graduate training in physics at the Presidency College and University of Calcutta.

He came to the United States to study biology and received a doctorate at the University of Missouri-Columbia in 1984. He has been on the WUSTL faculty since 1987. Pakrasi is a biochemist recognized for his work on photosynthesis and, in particular, on membrane protein complexes in cyanobacteria and plant chloroplasts. He has a keen interest in bridging the differences between the biological and physical sciences, and leads large-scale multi-institutional systems biology projects.

Pakrasi

Pakrasi currently directs the University's effort to develop groundbreaking initiatives in the area of bioenergy. Pakrasi has been an Alexander von Humboldt Fellow at Munich University, Germany; a Distinguished Fellow at the Biosciences Institute, Nagoya University, Japan; and a Lady David Visiting Professor at the Hebrew University, Jerusalem, Israel.

He is a Fellow of the American Association for the Advancement of Science.

Pakrasi serves as the University's ambassador from the McDonnell International Scholars Academy to Jawaharlal Nehru University.

I-CARES

– from Page 1

supporters, as well.

"I-CARES is the foundation on which we will build expanded funding for research on issues related to energy, environment and sustainability with both domestic and international partners," Wrighton said. "We are investing in the infrastructure needed for a world-class research effort to meet the grand challenges of the 21st century. We are planning to partner with other institutions, and we will work on Washington University-based proposals, as well as joint proposals, to seek funding."

According to Wrighton, I-CARES will coordinate research efforts at the University and work with other organizations in the greater St. Louis region to explore alternative energy sources, such as biofuels, to meet energy challenges. It will build on expertise in genomics, microbiology, plant science, materials, environmental engineering, systems science, computer science, economics, political science, architecture and social work to develop novel products, applications and sustainability practices.

The University is creating five new endowed professorships in the fields of energy, environment and sustainability. These researchers will be a part of the community of scholars engaged in the work at I-CARES, and the University also will provide financial resources to help seed research in areas vital to the goals of the center.

The center will facilitate the development of major initiatives relevant to its mission. For instance, Pakrasi has an exceptional track record of achievement and currently oversees a $9.6 million initiative focused on photosynthetic bacteria. He and a team of biologists, chemists, engineers and mathematicians at WUSTL and six other institutions are examining the potential of photosynthetic bacteria as one of the next great sources of biofuel that can run vehicles and heat houses. These cyanobacteria represent power potential because they capture sunlight and then carry out a variety of biochemical processes. One metabolic process — the clean production of biodiesel and liquid alcohol — is a high priority for alternative fuels. Cyanobacteria also have the potential to produce cheap and plentiful hydrogen for hydrogen fuel cell use.

I-CARES will engage University researchers in science, engineering, architecture, social science and policy, and medicine. Bachelor's, master's and doctoral degrees and other educational programs related to energy, environment and sustainability will be offered by the Environmental Studies Program in Arts & Sciences; the Department of Energy, Environmental and Chemical Engineering in engineering; the College of Architecture and Graduate School of Architecture & Urban Design in the Sam Fox School of Design & Visual Arts; and the Interdisciplinary Environmental Clinic and the Environmental Clearinghouse, both in the School of Law.

The University aspires to pursue and to demonstrate best practices with respect to its facilities design and development, and its use of energy and other resources. The University will appoint a sustainability officer who will work closely with the administration and with the research community to implement green technologies as they develop.

The University will commit more than $55 million to:

- Develop a building on the northeast corner of the Danforth Campus for the Department of Energy, Environmental and Chemical Engineering at a cost of $40 million. When completed, it will house I-CARES and related research projects. In the meantime, I-CARES will be located in Wilson Hall on the Danforth Campus.
- Fund five new endowed professorships in science, engineering, architecture, social science or medicine to attract research leaders in energy, environment and sustainability. This represents at least $12.5 million of endowment and startup costs.
- Award at least $2.5 million over five years to the center to seed and develop collaborative research within the University and with its regional partners through I-CARES.
- Provide an additional $500,000 to support the development of collaborative projects with its McDonnell Academy international Partner Universities.
- Support a sustainability officer and provide the capital needed to apply green technology to improve efficiency of energy systems and other University operations.

Wrighton said: "The key objective of I-CARES is to foster research on energy, environment and sustainability that cannot be done by single investigators alone. I-CARES will nurture collaboration within Washington University and with regional and international partners and contribute to more rapid progress in addressing great challenges facing our world."

For more information, visit:
i-cares.wustl.edu
ees.wustl.edu
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Medicine

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The cWIDR is part of the University's BioMed 21 initiative, which is focusing University efforts on speedy translation of laboratory discoveries into new approaches for diagnosis and treatment of patients.

Larry J. Shapiro, M.D., executive vice chancellor for medical affairs and dean of the School of Medicine, said studying gender-specific infections can reveal information that is helpful in a much broader range of diseases.

"Scott's work with urinary tract infections has led to insight into how the bacteria that cause these infections sometimes defend themselves by cooperating to form a protective shield known as a biofilm," Shapiro said. "Many common infections of both men and women employ this defense against antibiotics and the host immune system, and to improve treatment for these infections, we have to devise medicines that can penetrate this shield."

Other major infectious disease issues specific to women include interstitial cystitis or painful bladder syndrome, a condition estimated to afflict hundreds of thousands of females per year. Symptoms are similar to urinary tract infections and include frequent, painful urination and pain during intercourse. Diagnosis and treatment are difficult because scientists don't yet know the cause of the condition.

Oral and vaginal infections with streptococcus and other bacteria have been linked to premature delivery in pregnant women. Michael Caparon, Ph.D., professor of molecular microbiology and co-director of cWIDR, plans to bring in microbiologists and obstetricians to try to learn why and determine what can be done.

Fostering collaboration between different disciplines to create new perspectives on the big challenges of biomedicine is a primary goal of BioMed 21. Hultgren plans to establish connections and collaborations between his center and other research centers, noting the potential for synergy provided by the Center for Genome Sciences and other University research groups.

"We see the center for Women's Infectious Disease Research as part of a multi-disciplinary network combining a powerful blend of microbial pathogenesis, genomics, structural biology, biochemistry and biophysics, and diverse imaging technologies," Hultgren said.

As an example, Hultgren's work with urinary tract infections led to detailed study of pili, fibers produced by infection-causing bacteria. Pili allow bacteria to adhere to and invade human tissues, and Hultgren's laboratory recently found that they help hold bacteria together in biofilms. These discoveries made it possible to design molecules that block pili formation and may one day lead to improved treatments.

Researchers at cWIDR also will study whether microorganisms are playing a role in serious diseases not previously thought to be related to infection. As evidence of why a search for such connections might prove fruitful, Hultgren highlights the surprising discoveries that infectious agents are responsible for all stomach ulcers and most cervical cancers.

To accelerate the search for new treatments for infectious diseases, Hultgren has established close ties with a local biotech firm, Sequoia Sciences, and with Tom Ellenberger, Ph.D., the Raymond H. Wittcoff Professor and head of Biochemistry and Molecular Biophysics.

The new center and five new faculty positions will be supported in part by funding from the departments of Medicine, Molecular Microbiology, Infectious Diseases and Cardiology, as well as general medical school resources and donors.

Notables

Graduate students to meet Nobel laureates

BY TONY FITZPATRICK

Arts & Sciences graduate students Jeff Cameron and Megan Daschbach have been chosen to participate in the 57th Meeting of Nobel Laureates in Lindau, Germany.

At the July 1-6 meeting, dedicated to laureates in physiology or medicine, Cameron and Daschbach will join about 500 students and young researchers from throughout the world in discussions of current scientific issues with approximately 20 Nobel laureates.

Participants will have the opportunity to listen to presentations, attend round-table discussions of interdisciplinary topics and student discussions with a designated laureate, and participate in social events that bring the scientific newcomers into personal contact with the Nobel Prize winners.

Each year since 1951, 20-25 Nobel Prize winners accept the invitation to convene in Lindau for the informal meeting.

Student and young research participants are chosen through a selection process involving intermediaries from universities and research institutions.

Cameron, a doctoral candidate in biology, and Daschbach, a doctoral candidate in chemistry, first were chosen by their departments to be University applicants.

From there, they were selected by representatives of Oak Ridge Associated Universities, a university consortium of 98 research institutions that aim to advance science and education by partnering with national laboratories, government agencies and private industry.

Finally, a Lindau meeting selection committee chose the pair to participate.

Cameron, from Madison, Wis., earned a bachelor's degree in plant science and a master's degree in plant biology from Montana State University in 2003 and 2005, respectively. His research focuses on photosynthesis and manganese homeostasis.

Daschbach, from Baltimore, earned a bachelor's degree in chemistry from Mount St. Mary's University in 2004. Her specialty is synthetic anion transporters.

Cornerstone receives Sloan foundation grant

Cornerstone: The Center for Advanced Learning has received a one-year, $44,800 grant from the Alfred P. Sloan Foundation to study student migration patterns in and out of the science, technology, engineering and math (STEM) fields.

The grant proposal was submitted to the Sloan foundation in cooperation with colleagues at Swarthmore College.

The University also is working closely with colleagues at the College Board and the Consortium on Financing Higher Education.

According to Robert H. Koff, Ph.D., director of the center, participating peer institutions in the study include Carleton College, Columbia University, Duke University, The Johns Hopkins University, Northwestern University, Pomona College, Princeton University, Stanford University, University of North Carolina, University of Virginia, University of Wisconsin, Williams College and Vanderbilt University.

Additionally, The Johnson Foundation in Racine, Wis., has agreed to host two conferences for participating peer institutions at its Wingspread Conference Center.

The grant has three purposes: to help develop a common data template to compare information collected across institutions; to help develop and pilot test a survey that will be used to collect data from students to find out why they did or did not migrate; and to help develop an inventory of interventions that peer institutions have developed and try to find out how well they are working to reduce migration out of STEM fields.

The Center for the Study of Ethics and Human Values awards 10 grants

BY DIANE DUKE WILLIAMS

The Center for the Study of Ethics and Human Values has awarded research grants for six faculty projects and four student projects for 2007-08.

"These recipients were chosen from a compelling field of entries and represent graduate, undergraduate and professional students as well as faculty from five divisions and 11 departments within the University," said Walt O. Schalick III, M.D., Ph.D., the center's associate director and senior fellow for research and assistant professor of history in Arts & Sciences and of pediatrics.

Faculty grant winners are Robert W. Sussman, Ph.D., professor of anthropology in Arts & Sciences, and C. Robert Cloninger, M.D., the Wallace Renard Professor of Psychiatry, for a project on the origins of altruism; Corinna A. Treitel, Ph.D., assistant professor of history, Rafia M. Zafar, Ph.D., professor of English and of African & African American Studies, and Glenn D. Stone, Ph.D., professor of anthropology, all in Arts & Sciences, for a program on the ethics of diet;

Carl F. Craver, Ph.D., assistant professor of philosophy in Arts & Sciences, for a study of episodic memory and moral agency; Sarah E. Rivett, assistant professor of English, and Stephanie L. Kirk, Ph.D., assistant professor of Romance languages and literatures in Arts & Sciences, for a series on religious transformations of culture; Ann Margaret Baxley, Ph.D., assistant professor of philosophy, for a project on contemporary Kantianism; and L. Lewis Wall, M.D., D.Phil, professor of obstetrics and gynecology, for a study of the ethics of the gynecological surgery pioneered by J. Marion Sims.

The faculty received as much as $5,000 for each project.

Student grant winners include Ryan Black, a graduate student in political science in Arts & Sciences, for a study of the social effects of the Supreme Court's agenda-setting process; Venu Reddy, a senior in engineering, for research on the ethics of South Indian reproductive policies; Larry Morton, a graduate student in social work, for an investigation of the integration of homeless people with developmental disabilities; and Gregory Gandenberger, a graduate student in philosophy, for research on the nature of experimental truth in the science of Joseph Erlanger and William Gasser.

The students received as much as $2,500 for each project.

The Center for the Study of Ethics and Human Values, directed by Ira Kodner, M.D., is a University-wide center with activities and representation from all schools. Its activities enhance knowledge regarding the nature of ethics and human values in the world through community outreach, education, research and service.

Obituaries

Kaufmann, multimedia specialist in computing, 26

BY BETH MILLER

William C. "Billy" Kaufmann, multimedia specialist in Medical Computing Services at the School of Medicine, died Monday, May 14, 2007, in a motorcycle accident in South St. Louis. He was 26.

Kaufmann worked for the medical school for nearly seven years. As multimedia specialist, he produced original videos for medical school departments and groups and filmed surgical procedures, public events and promotional pieces. He worked closely with faculty to create educational materials and was one of the key staff members in the Medical Computing Services' offering of videoconferencing at the medical school.

"Billy was a joy to work with — he was so enthusiastic about the work he was doing and about helping people here at the medical school," said Bob Engeszer, manager of Application Programming and Development in Medical Computing Services. "He was well known around the medical campus because he worked with a lot of people — faculty, students and staff. I think people would unanimously say that Billy was a really special talent."


Kaufmann

Barbara Norton, Ph.D., associate professor of physical therapy and associate director for postprofessional studies, said Kaufmann was instrumental in helping the Program in Physical Therapy establish its distance-learning postprofessional classes, doing everything from researching and setting up the software to taping and webcasting classes and helping students with technical issues.

"He was a fascinating kid with so many different perspectives on life for someone his age," Norton said. "He was always curious, always learning, always happy and was such a bright spot. He was for me the son I didn't have — he was so engaging, so charming, so wonderful, so interested in what was going on."

Norton said the Program in Physical Therapy gave service awards to its staff who helped establish the distance-learning program, including Kaufmann. The plaque he received was among his mementos at his visitation.

He is survived by his parents, Lucy and Richard Kaufmann; half siblings; aunts; uncles; and cousins.

A service was held May 19 at St. David Catholic Church in Arnold, Mo.

Memorial contributions may be made to Washington University School of Medicine, Bernard Becker Medical Library, 660 S. Euclid Ave., St. Louis, Mo., 63110, or to the Saint Louis Zoo Tribute Fund, Saint Louis Zoo Friends Association, One Government Drive, St. Louis, Mo., 63110.

Harold Shipton, engineer, EEG machine pioneer, 86

Harold Shipton, professor emeritus of electrical engineering, died Monday, April 9, 2007. He was 86.

Shipton was a distinguished biomedical engineer who helped pioneer the electroencephalograph (EEG) machine, which measures the brain's electrical activity.

He was a principal member of the team that developed the first EEG machine in the immediate postwar years. Devised under the leadership of Grey Walter at The Burden Neurological Institute in England, the machine was one of the first in the world to measure brain activity.

Shipton was educated at Shrewsbury Technical College in England. He joined the Royal Air Force in 1939 and, applying an already formidable grasp of electronics, worked on the secret development of night-fighter radar during World War II.

Shipton left England in 1957 to become a research associate at the University of Iowa. There, he continued to work on EEG machines, in particular developing a multichannel toposcopic display system in the early 1960s.

He became director of the Medical Electronics Laboratory at Iowa in 1963, moving to a similar position at Washington University in 1979.

He was briefly head of the Department of Electrical Engineering and became professor emeritus on his retirement in 1989. He continued teaching intermittently until 1994.

He was a fellow of the American Institute for Medical and Biological Engineering and in his later years, worked on several experiments with NASA on measuring brain activity.

Colten, former head of pediatrics, 68

BY BETH MILLER

Harvey R. Colten, M.D., chair of the Department of Pediatrics from 1986-1997, died Thursday, May 24, 2007, at New York Presbyterian Hospital of complications from colon cancer. He was 68.

Colten, the Harriet B. Spoehrer Professor of Pediatrics, was pediatrician-in-chief at Barnes-Jewish and St. Louis Children's hospitals. During his tenure, he led a team of researchers who found a genetic link to a form of respiratory failure in newborns and played a major role in creating one of the most prestigious departments of pediatrics nationwide.

His efforts as a scientist, clinician, educator and administrator helped the University assume a leadership role in American medicine.

His research made significant and wide-reaching contributions to our understanding of the basic functioning of the immune system and of the body's inflammatory responses and ultimately played a role in advances in the care and treatment of cystic fibrosis and other respiratory diseases in children.

He trained more than 60 investigators in pediatric allergy/immunology, pulmonology and related scientific disciplines, many of whom have achieved leadership positions in academic medicine.

"Harvey had it all: a piercing intellect, a vision for clinical medicine, a commitment to educating the next generation and an unquenchable thirst for new knowledge," said Alan L. Schwartz, Ph.D., M.D., the Harriet B. Spoehrer Professor and head of Pediatrics. "He was an academic leader through and through. In St. Louis and nationwide, we miss him deeply."

In 1997, Colten became dean and vice president for medical affairs at Northwestern University, and in 2002, he joined Columbia University Medical Center as vice president and senior associate dean for academic affairs.

He was a member of the Institute of Medicine of the National Academy of Sciences and a fellow of the Royal Society of Medicine (London) and of the American Association for the Advancement of Science. He received a MERIT award from the National Institutes of Health.

He is survived by his wife, Susan; three children: Jennifer Colten Schmidt of St. Louis, Lora Colten of Homer, Alaska, and Charles Colten of Petrolia, Calif.; six grandchildren; his father; a brother; and a sister.

Memorial contributions may be made to St. Louis Children's Hospital, Department of Pediatrics, One Children's Place, St. Louis, Mo., 63110.

Holsen, 82

James N. Holsen II, Ph.D., professor of chemical engineering from 1971-72, died Monday, March 12, 2007. He was 82. After leaving the University, he worked as a chemical engineer for McDonnell Douglas Corp.

Johnson, 89

Franklin Johnson, Ph.D., assistant dean of engineering from 1978-1984, died Saturday, April 28, 2007.

He was 89 and a resident of Spooner, Wis.

Washington People

Paying it forward

As a mentor and role model, Arnold Bullock makes a difference in the lives of students and patients

By CAROLINE ARBANAS

Arnold Bullock's mentors helped him see a world of possibilities for himself in science and medicine, and he has made the most of those opportunities.

Today, as a urologist and associate professor of surgery, he relishes the role of helping students realize that they, like him, can make their mark in medicine.

Bullock, M.D., was not the least bit daunted when he began his studies at The Johns Hopkins School of Medicine in 1983, although he had attended predominantly African-American schools virtually since kindergarten.

"By the time I made it to the 'real' world, the non-African-American world, I felt confident that I could compete and succeed," he says.

Bullock knew he wanted to be a doctor by the time he finished his sophomore year of high school. He was the third in a family of four boys, and his parents — both schoolteachers — pushed education as a way for their sons to overcome racial barriers and achieve their full potential.

He rode public transportation with his brothers from their home in suburban Maryland to an all-boys Catholic high school in Washington. Mamie Jiles, one of the school's science teachers, made a point of taking her students on field trips to the National Institutes of Health, the Food and Drug Administration and the Federal Bureau of Investigation, where they met scientists and saw them working in a variety of fascinating jobs.

"I think this opened our eyes to opportunities we never knew existed," Bullock says. "It gave me a sense that I could do that, too. I was already doing well academically, but that degree of exposure and encouragement was all it really took for me to think I could have a career in medicine."

Bullock set his sights on surgery after attending a lecture series for high school students hosted by the American Heart Association. Bullock's older brother Mike had encouraged him to attend as a way to meet girls, but instead, Bullock became enthralled with the heart and cardiovascular disease.

"At the end of the five weeks, we were given a written test, and I got the second-highest score," he says.

For this achievement, he had his pick of some 40 summer internships in a heart-related field. Bullock chose to work with Levon Cauthran, M.D., of Howard University, one of the few African-American cardiac surgeons at the time.

Cauthran also maintained a research laboratory where he studied how narrowing of renal arteries contributes to high blood pressure. Bullock's father had severe hypertension, and several times a year, he would be hospitalized to get his blood pressure under control.

"My experience with Dr. Cauthran, coupled with my father's chronic hypertension, gave me a sense of direction," he says.

Days before Bullock was to leave for his freshman year at the University of Notre Dame, his father became critically ill with a tear in his aorta, the large vessel that carries blood from the heart to the rest of the body. Because of his history of severe hypertension, his father was a poor candidate for surgery to repair the tear, and he declined to undergo the risky procedure.

His illness prevented Bullock's father from working, and even with a generous academic scholarship to Notre Dame, it quickly became clear that enrolling there would be too much of a financial struggle for his family. Instead, Xavier University in New Orleans, where Bullock also had been accepted, agreed to reinstate his full academic scholarship.

"Going to Xavier was one of the best decisions of my life," Bullock says. "There, I gained a great deal of confidence in my own abilities, and I knew I would take that with me to medical school and beyond."

At The Johns Hopkins School of Medicine, Bullock was leaning toward cardiac surgery until he had the opportunity to work under Patrick Walsh, M.D., an internationally renowned urologic surgeon who had trained many Washington University urologists.

"He was a great mentor — very encouraging, well respected and a great surgeon," Bullock says.

That experience led Bullock to consider urologic surgery as a specialty. After graduating, he came to WUSTL for his residency and internship because of its reputation for having one of the top urology training programs in the country.

"My training experience here was so good that I wanted to stay and practice here, and I did," he says.

Over the years, Bullock's practice has become more specialized. He still treats patients with prostate cancer, but he also sees men with infertility problems and erectile dysfunction — conditions that are difficult for many men to discuss.

"In addition to his surgical expertise, Arnold is a great communicator," says Gerald Andriole, M.D., professor and chief of urologic surgery. "He has a way of simplifying complicated medical jargon and putting patients at ease so they feel comfortable talking about sensitive health issues. He also runs a support group for men with side effects related to prostate cancer that is very popular. His talk on sexual dysfunction is disarmingly charming, and couples really open up after they have heard him speak."

> **"He has a way of simplifying complicated medical jargon and putting patients at ease so they feel comfortable talking about sensitive health issues."**
>
> GERALD ANDRIOLE

Many more men have erectile dysfunction than will admit it, Bullock says, and it has become a major health issue.

"What many men don't realize is that erectile dysfunction might be their first sign of a more significant medical problem," Bullock says.

The condition often is traced to high blood pressure, diabetes, depression or a cardiac arrhythmia. While the pharmaceutical industry has been criticized for marketing drugs directly to patients, Bullock says that in this case, he does not mind the attention drug treatments for erectile dysfunction have received.

"Whichever way patients bring it up to their doctor, I'm appreciative of that," he says. "What is discouraging is if doctors don't take that information to find out what is at the root of the patient's erectile dysfunction. That's an opportunity too often missed."

As a surgeon with special expertise in prostate cancer, Bullock is fully aware that African-American men are twice as likely as white men to be diagnosed with the disease and to die from it.

Historically, African-Americans distrust the medical system, particularly research institutions, and they often have a negative outlook on cancer treatment and a more optimistic picture of their own individual state of health. This thinking translates into African-Americans, particularly men, participating in cancer screening at a much lower rate than whites.

For years, Bullock has spoken at African-American churches and social groups to encourage more cancer screening. His own studies illustrate some of the barriers to participation.

If he goes to a church where worshipers are African-American, for example, and offers onsite prostate cancer screening, more than 90 percent will get tested, he says. But if, instead, he gives the men free tickets for prostate cancer screening and tells them that he personally will do the exam at his office, only 10 percent will show up.

"This is both disheartening and enlightening," Bullock says. "Disheartening that they don't participate in screening, but enlightening in that we need to recognize what works and what doesn't."

Dione M. Farria, M.D., associate professor of radiology, notes that Bullock has been "instrumental in building a team of community partners to conduct prostate cancer screening and education in the local African-American community. He is an engaging speaker who has the unique combination of clinical expertise and a knack for connecting with community members," she says.

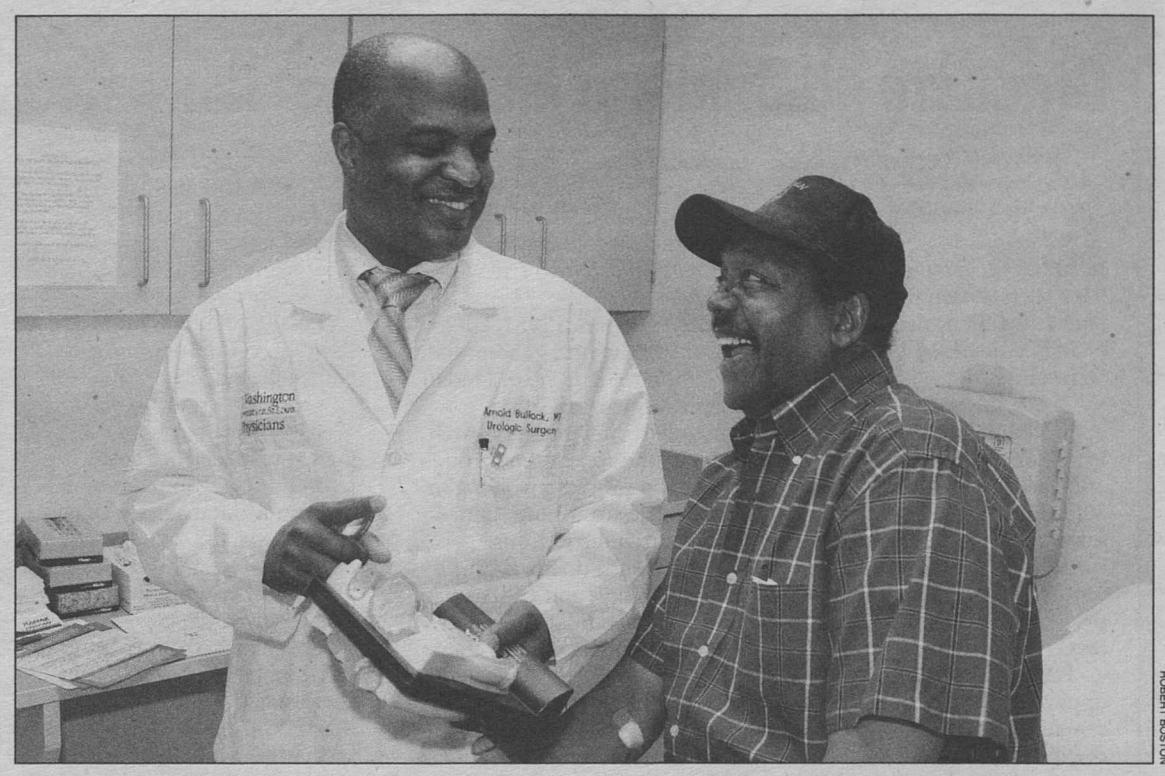
Because of these strengths, he was named co-leader of the Program to Eliminate Cancer Disparities' Prostate Cancer Community Partnership.

Bullock also uses his appearances to help young people in the audience become aware of the world of opportunities that exist for them in the field of medicine and to offer himself as a mentor.

"I tell them if they're interested in medicine to call me, and I offer to let high school students shadow me for a day," he says. "There are so many barriers to completing this craft for underprivileged students. I encourage young people not to take the quick prize — a job right out of high school or college — but to stay in the game and aim for a career in science or medicine."

Although he maintains a busy practice, Bullock appreciates the time he spends with his wife, Marjorie, and three teenagers. His wife works as a parent-teacher educator in the Normandy School District, where she teaches teen mothers and encourages them to stay in school.

Together as a family, they love skiing and traveling. Bullock also has a newfound passion: flying. He got his pilot's license five years ago and enjoys taking to the skies in a single-engine prop plane out of the Spirit of St. Louis Airport.



ROBERT BOSTON

Arnold Bullock, M.D., talks with patient Joseph Griffin while showing a model of the prostate. Bullock has been "instrumental in building a team of community partners to conduct prostate cancer screening and education in the local African-American community," says Dione M. Farria, M.D. "He is an engaging speaker who has the unique combination of clinical expertise and a knack for connecting with community members."

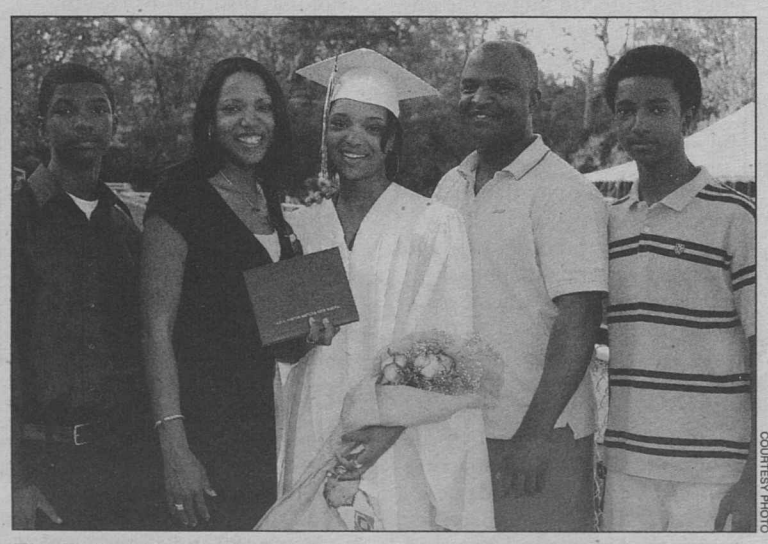
Arnold Bullock, M.D.

Hometown: Capitol Heights, Md.

Education: B.S., biology, Xavier University, New Orleans, 1983; M.D., The Johns Hopkins School of Medicine, 1987

Family: Wife, Marjorie; children, Dominique, 18; Arnold Jr., 16; and Thomas, 15

Hobbies: Skiing, traveling, flying (Bullock has his pilot's license and flies a single-engine prop plane)



COURTESY PHOTO

The Bullock family (from left), Thomas, Marjorie, Dominique, Arnold and Arnold Jr. at Dominique's May graduation from Ladue Horton Watkins High School.